# LIVE STOCK HUSBANDRY

#### SHEEP RAISING PAYS.

When Properly Cared For They Are Valuable Farm Animals.

The principles of sheep husbandry must first be learned in order to be successful in the business and derive a profit, writes a correspondent of the American Cultivator. That sheep are valuable on a farm is certainly true T The fertility of any land which is run again if sheep are placed upon it. For this reason the sheep has its proper name, the "golden need" it may be mentioned right here that sheep with never thrive and do well if kept on low, wet, marshy man if her will at ways improve the fertility of the man on which they are and by no means ever lower it down can very quickly be built up 1



The Hampshire breed of sheep. which somewhat resembles the Shropshire, is increasing in popularity in this country. It has many points commending it as a farm breed. One of its strong charac-teristics is the rapid growth made by the lambs when young. Hamp-shires are the largest of the medium wool breeds. They are heavy animals and for grazing on rough land are perhaps not so well adapted as some of the lighter and more active breeds. The picture shows a prize winning Hampshire ram.

that of other live stock, with the exception of that of chickens And and entrails to become empty and furthermore, they themselves spread the manure more evenly on the land than any manure spreader can do that depreciates the value of the carcass has as yet been invented. A good may be expected when a coat of sheep manure has been applied on the land.

Another advantage of keeping sheep is that they are very fond of weeds and will eat some of them in prefer ence to good grass. Authorities chim that sheep will eat over 400 of the 700 different kinds of weeds which grow on our farms. Many times they will also eat the waste grass around fences and corners which is left by

It is a general complaint nowadays all over the country that competent tabor is very scarce, but it must be said that at the time when the farmer is busiest with his plowing, seeding, cultivating and narvesting, his sheep will cause him the teast amount of work, and thus may be called labor savers. If at this time they have enough grass to ent, good fresh water to drink and have access to sait at all times they will be fully satisfied.

## AVOID FROZEN ROOTS.

Feed For Live Stock.

roots or other vegetables to live stock; down, and cut or stick in the roof of the risk is too great.'

stockman who knows of the trouble sibility and a free flow of blood from and even losses which are almost cer- the mouth. tain to follow feeding frozen food of

often tempted to utilize waste vege ed the head is pulled away so as to tables and roots by feeding them to form an open space in the neck in cows, hoping that no harm will result | which the blood may settle. This meth-If the roots have been frozen trouble od calls for considerable practice and naturally follows.

vegetable matter into the stomach of head the fowl with an ax or hatchet. an animal naturally causes a sudden reaction, and it is not unlikely that the food value of the material is much reduced. Stockmen cannot afford to take any chances in feeding frozen vegetables to their herds and flocks."-Wisconsin Experiment Station.

Distemper In Horses.

Distemper in a horse will run a full feeds and a course of tonics is about all casses from shifting about in transit. that is necessary in mild cases. If abscesses appear in the region of the throat these, of course, should be opened, well drained and the cavities flushtreatment for intestinal worms give a the same to be given for three consecutive days. Following this give a tablespoonful twice daily of a mixture sulphate and sulphur for ten days.

Hint For Hog Raisers.

rectly if good results are expected or old people who could not traverse with the litters.

#### FARMER MUST USE HIS BRAIN

"If the farmer of today sucreeds he must use his brain." said Professor D. H. Otis of the University of Wisconsin in addressing the American Farm Management association, of which he is retiring president. "In the past the farmers, by taking the stored up fertility that has been the result of ages of accumulation, have been little more than miners moving from I farm to farm, and by their sys-I tem of crop production have beeff taking from the soil the ele-I ments of plant growth and re-

storing nothing therefor. "The future farmer, as represented in the well trained agri-It is an undisputed fact that the manure of sheep is much richer than the and truly, a farmer." even increases the fertility of

### MARKETING TURKEYS.

Best Methods of Killing and Shipping the Fowls.

It is not the largest turkey that sells he quickest in market, says M. K. Royer In the American Cultivator. The lemand generally is for fat and plump pirds of medium size, for which at all easons an extra price can be obtain ed After the holidays turkeys weigh ng eight to ten pounds sell best.

Quite as much care and attention are needed in killing, dressing and shipping as in the growing. If this cannot be done to good advantage it is best to sell the birds alive. So much depends upon proper marketing that small growers should either dress and sell to their home market or sell to some one who makes a business of handling such stock.

None but well fattened stock should be killed. There is no profit in sending poor birds to market. For twentyfour hours prior to butchering no food must be given. This enables the crop avoids much of the danger of spoiling. When the crop and entrails are full it and quite frequently taints the meat. heavy crop of grain, corn or vegetables preventing its being kept for any

> There are different methods of killing, one being to tie the feet together.



A TURKEY GROWN FOR THE HOLIDAYS. hang the bird on a pole and cut the throat so as to bleed freely. In killing Frost Bitten Vegetables Are Unsafe one of the most important points is to bleed freely. Another method is to "Never feed frost pitten potatoes, suspend the fowl by the shanks, head the mouth. This severs the arteries This is the advice of an experienced and cuts into the brain, causing insen-

Another method is to break the neck by a quick twist or jerk backward. "At this time of the year farmers are | When the neck is completely disjointis not very popular nowadays. The "The introduction of heavy, chilled old time method of killing was to be-The carcass should be dry picked This is done immediately after killing. care being taken not to break the skin or tear the flesh. It is then hung up, head down, in a cool place until all animal heat has left the body. The head, feet or entrails are not removed. The head, wings and tails are usually

left on. In shipping, pack as closely as possible into close boxes or barrels, lined course and cannot be stopped by the with white or manilla paper; brown. use of medicine Any symptoms which soiled or printed paper must not be appear should be treated according to used. The packing must be done in their severity. The use of proper grain such a manner as to prevent the car-

Bridging of Fence Wire.

in districts where bridges are few and the old time foot log is out of ed with an antiseptic solution. As a date bridges are now constructed of woven wire fencing stretched across pint of raw linseed oil to which has the stream like a narrow lane about been added one ounce of turpentine. thirty inches wide, says a contributor to the Farm and Fireside. Two by four crosspieces are laid every few feet on the large bottom wire and are of equal parts of sait, powdered iron stapled so they cannot slip. The floor is laid on these. The ends of the bridge are fastened to trees when convenient, but if posts have to be used It is a common mistake with many they must be well braced. A guy wire to try to keep too many sows, or more or truss wire runs from the upper corthan they can give proper attention | ners of the ends to the bottom of the to during the periods of pregnancy, center. If this is drawn tight the birth and suckling. During all three bridge will really bow up in the cenperiods they must be cared for cor- ter. This bridge is safe for children

# EGGS and POULTRY

PROFIT IN POULTRY.

Winter Egg Production Depends

Care and Feeding. It is time the pullets which are to produce winter eggs should have com menced operations, says the Western Poultry Journal. It is much easier to induce pullets to lay before settled cold weather sets in than later. Pullets which do not commence to lay by the middle of November are not apt to begin until late in the winter or spring and it will hardly pay to keep them over, especially if there are plenty that will lay. While winter eggs are



The Light Brahma being among the largest of domesticated fowl and very hardy, its qualifications as a mest breed has always been recognized. A fully developed Light Brahma furnishes an ideal carcass good layers, producing most of their eggs during the winter months They are also good setters. They are doche in temperament and stand confinement well. They are excel-

not the "whole thing," the bulk of the profit in poultry keeping is made at this senson of high prices.

To have hens we must winter pul iets, and if by a little extra feed and care we can induce each pullet to produce \$1 worth of eggs during the cold months it will add materially to the profit the flock will yield during the year. It may, and probably will, pay to winter hens for their summer production. But why not have all the year layers and a steady income from the poultry? This can be done by ju dicious breeding, feeding and care-

To get eggs we must supply the har with the proper ingredients from which to grow the egg. If every elsment needed is supplied in the right flesh or fat. If house conditions are and happy they will lay if the laying instinct is in them.

The ration should be composed about as follows: Fifty-five per cent whole and ground grain, 15 per cent meat, 30 per cent succulent green food, such as roots, cubbage and other vegetables and clover or alfalfa hay. The winter laying pullet is one that has been fed and grown right from the time she left the shell. We cannot take pullets which have been fed any old way and get them in laying form in a few weeks. If they have not been rightly developed it may take several months of feeding to get them ripened so asto be good producers, while some never

#### PROFIT IN CLEAN EGGS.

Fowls Should Be Provided With Fresh Nesting Material and Litter.

Poultry keepers may easily reducthe percentage of dirty or solled eggs and losses entailed to insignificant tis pres, says Arthur C. Smith of the Minneapolis College of Agriculture. First an ample number of nests is, of course necessary, but an ample number means no more than and probably not as many as are asually directed by poultry writers. Laying houses are, as a rule, provided with a sufficient num ber, but where the keeper falls down ts in faiting to supply enough nesting material and floor litter.

Obviously the nesting material must be clean or the eggs become soiled by contact, and it must be sufficient in quantity or the eggs are often broken by dropping upon the hard floor of the nest. In houses where the dropping boards are above the nests and the custom is to sand the boards small stones often drop into the nest and breakage results when newly laid eggs fall upon them. The condition of nests should be noticed daily and the nesting ma terial replenished when necessury Plenty of nesting material prevents on the bottom of a super or a winter

breakage and insures clean eggs. floor is also very essential when an Al should be filled with shavings or chaff clean product is sought Particularly This arrangement allows for the gradis this true when the hens are allowed outdoors during wet weather. The lit and gives greater satisfaction than ter acts as a foot mat for the bens on their way to the nests.

dirty ones.

Furnish Grit For Poultry. Hens demand some mineral matter to form the shell of their eggs. Do not forget the oyster shell and the bard. sharp grit. These will furnish material for the formation of the egg's

shell and at the same time will keep

the fowls in a healthy condition.

# BACKBONE OF FARM PLAN.

The backbone of any success-

ful farm plan is the system followed in erop production, says the Country Gentleman. About the first things the county agent looks into when he visits the farm are whether a well established rotation is consistently followed from year to year and whether this rotation is adapted to the type of soil, the climate and the uses to which the crops are put. Nearly every important Improvement in the farm plan must follow the line of the rotation. The use of fertilizers must I conform to it, and the sile, the storage facilities and the animals
kept to consume the forage are
all influenced by it

#### CAMPAIGN AGAINST INSECTS.

New Annual Report of Government Entomologist Shows Progress.

The control of such dangerous inof the United States department of agriculture's entomologist busy during the past year, according to the new annual report. Besides directing its in attempting to eradicate insects that the spotted fever tick and the typhoid fly. Special attention has been given to insects injuring forests and those affecting stored products, such as grain, flour, prepared cereals, meat and cheese. Work in bee culture has also progressed satisfactorily. The gypsy moth campaign, waged

also against its cousin, the brown tall moth, has been very encouraging, there being a marked decrease this year is the numbers of both these pests. Par asites and beetles that attack these dangerous insects have been introduced and have been largely instrumental in bringing about good results. Colored posters were prepared by the office illustrating the gypsy moth and its natural enemies, and these were posted in all postoffices and town of fices in the infected districts, and copies were sent to granges and public libraries. The campaign has also been waged by mall and boy scouts, who have distributed cards bearing the same illustrations.

A combination spray composed of lime sulphur, arsenate of lead and Later in the season they are allowed nicotine has been used successfully the run of a stalk field and put up at during the year by many orchard grow- night and fed a ration of grain and ers to control insects and fungous disinsects have been developed and are the winter. now being tested Arsenical spray: are being made more practicable for use in combating cranberry pests in are also being recommended and de peach and pear orchards.

Economical Hog House.

from Country Gentleman can be built to good advantage at small cost. The months should weigh easily 500 pounds possibly fellow. Practically all that is building shown is called the Economy house. It has floor dimensions of 5 by



7 feet. This house, built to use an earth floor, costs \$9.07, figured on the same basis as the regular Iowa or A house. From the standpoint of economy, this house at less than \$10 is the most convenient and handy movable

#### WINTERING BEES OUTSIDE. Č-------

It is a common practice in New England to winter bees on their summer stands, and this is a perfectly safe. plan if suitable protection be given Probably the simplest and most successful method is to keep the bees in ten frame hives and to replace the end frame on each side with a chaff division board. This confines the cluster to eight frames and keeps it away from the cold walls.

In any case the top of the hive should have careful attention, for that is where the greatest danger lies. The best plan is to tack a piece of burian case and set it over the nive without An ample and clean fitter on the any board under it. Then the super ual escape of moisture from the hive the use of a board over the hive. An ordinary hive cover may be used, but Clean eggs bring better prices than the new metal roof double cover is much to be preferred.

When this general plan is adopted it is a simple matter to feed the bees even in winter by using the sugar cakes now on the market. These cakes come in ple tins, which are inverted over the frames, and may be slipped in place at any time by simply raising the super a little .- American Agriculturist.

# MODERN METHOD OF CATTLE FEEDING

I selected in my own neighborhood number of cows which I keep all the year, writes an Illinois breeder in the American Agriculturist. While these cows are not the best individuals, they are a fair sample of the cows found in the corn belt. I use a pure bred Angus bull on these grade cows for my feeders, because in my opinion i get a better type of calves all black. bornless, docile and excellent feeders

It has been said that a pure bred bull is haif the herd, and this is espe cially true when a pure bred sire ! used on grade cows It does not make much difference which breed the sire is chosen from. Whether he be Angus. Shorthorn or Hereford he should be a pure bred and characteristic of the breed which he represents. When a farmer keeps on hand from

twelve to sixteen head of cows with the same number of yearlings and sects as the gypsy moth, cotton boll suckling calves there is naturally quitweevil, alfalfa weevil, green bug and a little expense involved in the way potato tuber moth has kept the office of pasture, grain, hay and other rough age. When land is selling for \$200 to \$250 an acre it seems almost a losing proposition to raise cattle, especially when corn is making sixty bushels to the acre and selling at 60 cents attention to combating insects that at bushel. However, the following methtack crops, the office has been active od has proved very successful with me: The caives are allowed to run affect the health of man and animais. with the cows during the summer and such as malaria bearing mosquitoes. early fall months, then they are wean



The Aberdeen-Angus are the cattle of the Scottish highlanders. It is believed that they originated some 300 hundred years ago from a cross between the Galloway and the red Durham. These cattle when well fed are always smooth and ready for slaughter. They make fine baby beef and have won more prizes at the International Live Stock show at Chicago in recent years than any other breed. The illustration shows a pure bred Angus bull.

ed and put by themselves on pasture silage. In this way they are kept in

The next spring, about the middle of May, they are turned out on pas ture for the summer. In the early fall New Jersey. Effective spraying has they are put in the feed lot and fed he has paid indirectly the cost of a also been done in the pecan orchards for the market As soon as the young silo through the loss sustained in fail proportion the hen must lay or store of the south, interested growers siding calves are weared the majority of the ing to most efficiently utilize his crop. LOST:-Black Collie dog' marked with them up in the body in the form of the department in the work. Remedies cows are dried up and are carried As a means of working out a perma-yellow, sharp cars. Call Clarence right and the hens made contented veloped for pests that endanger apple. and the stalk fields. They also get regions of scant rainfall the silo is well The A type of hog house for far- ing of a calf of the right beef type excess of the immediate demands, the rowing sows is popular with many hog If a cow falls below my standard she sllo forms the only means of equalizing raisers. The house shown reproduced is disposed of and another procured in these fat years in feed production with tier place. A good calf at six or seven

Hogs Following Cattle.

will depend on the method of feeding to secure the necessary equipment in Some farmers feed the steers more siles corn than they will eat and run extra hogs, figuring on the hogs getting the waste. While this may be a good pot tey when corn is cheap, " is doubtful if it should be practiced with high viced grain. It is usually best to fig. tre on about one shoat per steer when shelled corn is fed and two when ear corn is fed. In case the corn is ground in programs of music, 'sketches or soaked, or silage is used, the number of hogs necessary would be less The aim should be to run enough bogs to clean up all the waste corn.

The Ama Riecord, \$1 a Yr.

# SILO A NECESSITY IN MODERN FARMING

The sile may well stand as one of the great factors in increasing the efficiency of the farm through a better utilization of the products of the soil. says the Kansas Farmer. All through the corn belt is produced each year feed enough, if conserved by means of this great efficiency method of preservation, to feed all the live stock in the land. As at present handled from 75 to 80 per cent of the roughage part of the corn crop is absolutely wasted.

It has been abundantly demonstrated in modern practice that no man need say he cannot afford a sile. On farms heavily stocked with live stock, where everything raised finds mouths waiting and demanding even more, the farmer cannot afford to be without a silo. Under present day conditions the silo will reduce the cost of producing a pound of butter by at least 10 cents. It will



When first introduced the silo was regarded by many as a fad, as a plaything of the rich man, and was not given serious consideration as a permanent farm practice. That time has passed, and the silo can no longer be considered a passing fad, but as a permanent farm equipment. It is not necessary to present the extravagant claims which in times past were made for the use of the silo and silage. The bare statement of facts with no exbare statement of facts with no exaggeration whatever is sufficient to convince every farmer that the silo is indispensable.

likewise reduce the cost per 100 pounds of producing beef by \$2.50. Truly, the farmer cannot afford to be without a silo who is attempting to convert the rough feed of his farm into a marketable form in the most economical manner. For such the silo is an economic eases. Other poisons to control orchard a thrifty and growing condition during necessity. As has sometimes been stated, the farmer who attempts to get along without a silo under these conditions will find when he casts up his accounts at the end of the year that FOR RENT:-House at 714 State, in-

nent system of agriculture through the | 2Wheeler, Alma. such roughage as is raised on any nigh indispensable. Its utility here corn belt farm. To keep a cow a year cannot be questioned. In especially just for her calf necessitates the rais favorable years, when the crop is in the years of poor crops which may required to place the farming on a safe basis is the accumulation of a The number of hogs to follow a steer sufficient capital through some means

# The Wells Entertainers

readings, and original bits. Musical and Dramatic Sketch-

Jan. 12 at Forest Hill

# FOR JUST

We have selected 6 pieces of Dress Goods, with all the findings complete, which we will sell this week for \$5.00. A sample of them is listed below:

Ladies' Home Journal Pattern 8529.

6 yds.	Bedford	Cord at
58c		\$3.48
1 yd. S	ilk	1.17
	ining	
	buttons	
	m	
	nooks & e	
	silk	
3-8 yds.	velvet	.38
		\$6.14

Come in and see them displayed on the forms.

# Gerhardt

quire C. G. Rhodes.

Says he hasn't time to write an ad this week, but to drop into his new Victrola Store and talk it over personally.

Bldg. formerly occupied by European Cafe.

# January Clearance Sale **BEGINNING JANUARY 7** Continuing throughout the Month

regular 50c value, sale...37c Men's Union Suits, \$2.00 value, sale . . . . . . . . \$1.35 ue, sale......39c Ladies' Night Dresses, \$1

Men's Two-piece Underwear. Men's Night Shirts, \$1 val- Men's Leather Gloves, 50c Ladies' Night Dresses, 50c Men's Sweater Coats, \$1.50 value, sale...... 39c value, .......... 98c Men's Union Suits, \$1 value, Men's Heavy Wool Sox, 50c Men's Sweaters, \$4.25 value, La ties' Union Suits. \$1 val- Men's Heavy Wool Sox, 25c Ladies's Kimonas, \$1.50 value, sale ...... 79c value, sale ..... 19c ue. sale ..... 98c Boys' Union Suits. 75c value, Men's Heavy Wool Mittens, Ladies's House Dresses, sale ...... 57c 50c value. sale ..... 39c \$1.25 value, sale ..... 79c Boys' Union Suits, 50c val- Men's Mittens, 25c value, Misses' School Dresses, \$1.75 

BROWN'S BAZAAR